The program is executed in the following manner:

Fields A, B, and Result Should Be are loaded into the print area for printing purposes. A test for overflow instruction is then executed to insure that the overflow indicator is OFF. Field A (columns 1-2) and Field B (columns 21-22) are next added together in the Result Is storage area (Locations 261-262). If an overflow occurs as a result of this addition, the program branches to a set of instructions to test for a blank in column 6. If blank the condition is correct and programming proceeds for the next record. If not blank an error is indicated.

If an overflow does not occur as a result of adding Fields A and B, a test is made for the letter "N" in column 6. If the "N" is present the condition is correct and programming proceeds for the next record. If not "N" an error is indicated.

For error indications the program branches to the Error Print Routine. The position of Sense Switch E then determines whether the machine stops to permit console checking or prints the results with an "ERROR" indication.

Checking Procedure

SENSE SWITCH E ON - Machine stops for errors.

1. Remove the last card in the stacker.
2. Visually check Field A (columns 1-2) and Field B (columns 21-22); also check column 6 for N or blank. Then check with Locations 201-202, 221-222 and 206 respectively.
3. Check Overflow light. Should be ON if blank in Location 206; should be OUT if "N".

SENSE SWITCH E OFF - Machine prints error results. Examples of Error Print-Out:

A Field		B Field	Result Should Be	Result Is	
40	NO OVERFLOW	40	80	Y0	ERROR
Z0	OVERFLOW	R0	80	I0	ERROR
40	NO OVERFLOW	U0	Y0	Q0	ERROR
90	OVERFLOW	90	Y0	80	ERROR

SENSE SWITCH C ON - Machine prints correct results. Examples:

40	NO OVERFLOW	40	80	80
Z0	OVERFLOW	R0	80	80
40	NO OVERFLOW	U0	Y0	Y0
90	OVERFLOW	90	Y0	Y0

Column 6
Print Position 206